

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Tibotec Pharmaceuticals Ltd.

Serial No.: Art Unit:

Filed : Examiner:

For : 5- OR 6-SUBSTITUTED BENZIMIDAZOLE DERIVATIVES AS  
INHIBITORS OF RESPIRATORY SYNCYTIAL VIRUS  
REPLICATION

Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE UNDER 37 CFR 3.73(b)

Tibotec Pharmaceuticals Ltd., a Corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignments were recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), or the patent application identified above, to the current assignee as shown below:

1. From:  
To:  
The document was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

2. From:  
To:  
The document was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

3. From:  
To:

The document was recorded in the Patent and Trademark Office at Reel           , Frame           , or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

23 May 2006  
Date

  
Signature

Frank Daelemans  
Typed or Printed Name

Proxy Holder  
Title

## A S S I G N M E N T

Serial No.

Filed

WHEREAS, Jean-François BONFANTI, Jérôme Michel Claude FORTIN, Philippe MULLER, Frédéric Marc Maurice DOUBLET and Christophe MEYER, residing at 4 bis Route Nationale, FR-27430 ANDE, France; 22, rue des acacias, FR 27460 IGOVILLE, France; 17 Route d'Herqueville, FR-27430 ANDE, France; 1646, Route de Neufchatel, FR-76230 Isneauville, France and 428 rue de Gouy, 76520 Les Authieux s/l Port St Ouen, France respectively have made jointly with Koenraad Jozef Lodewijk ANDRIES, Rudy Edmond WILLEBRORDS, Tom Valerius Josepha GEVERS and Philip Maria Martha Bern TIMMERMAN, residing at Oosteneinde 9, B-2340 Beerse, Belgium; Vaartstraat 70, B-2330 Merksplas, Belgium Burgemeester Bossaertlaan 17, B-2350 Vosselaar, Belgium and Vijversstraat 211, B-3550 Hasselt, Belgium (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

5- OR 6-SUBSTITUTED BENZIMIDAZOLE DERIVATIVES AS INHIBITORS OF  
RESPIRATORY SYNCYTIAL VIRUS REPLICATION

for which they have on the            day of            , 200            executed an application for Letters Patent of the United States; (Applicant(s) hereby authorize the legal representative(s) of record to enter herein the supplemental identification information for this application as provided by the US PTO); and and

WHEREAS, Janssen-Cilag a corporation of the State of France, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns,



and, who I am satisfied are the persons named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

A S S I G N M E N T

Serial No.  
Filed

WHEREAS, Koenraad Jozef Lodewijk ANDRIES, Rudy Edmond WILLEBRORDS, Tom Valerius Josepha GEVERS and Philip Maria Martha Bern TIMMERMAN, residing at Oosteneinde 9, B-2340 Beerse, Belgium; Vaartstraat 70, B-2330 Merksplas, Belgium Burgemeester Bossaertlaan 17, B-2350 Vosselaar, Belgium and Vijversstraat 211, B-3550 Hasselt, Belgium respectively have made jointly with Jean-François BONFANTI, Jérôme Michel Claude FORTIN, Philippe MULLER, Frédéric Marc Maurice DOUBLET and Christophe MEYER, residing at 4 bis Route Nationale, FR-27430 ANDE, France; 22, rue des acacias, FR 27460 IGOVILLE, France 17 Route d'Herqueville, FR-27430 ANDE, France; 1646, Route de Neufchatel, FR-76230 Isneauville, France and 428 rue de Gouy, 76520 Les Authieux s/l Port St Ouen, France (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

5- OR 6-SUBSTITUTED BENZIMIDAZOLE DERIVATIVES AS INHIBITORS OF  
RESPIRATORY SYNCYTIAL VIRUS REPLICATION

for which they have on the            day of            , 200            executed an application for Letters Patent of the United States; (Applicant(s) hereby authorize the legal representative(s) of record to enter herein the supplemental identification information for this application as provided by the US PTO); and and

WHEREAS, Janssen Pharmaceutica N.V. a corporation of the State of Belgium, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be

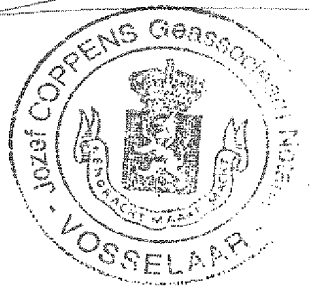


BE IT REMEMBERED, That on this 22<sup>nd</sup> day of February, 2006, before me, a Notary Public, personally appeared

and, who I am satisfied are the persons named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

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Notary Public





## General Assignment

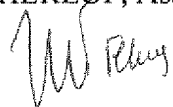
WHEREAS, Janssen-Cilag, having its place of business at 1, rue Camille Desmoulins, TSA 91003, 92787 Issy-Les-Moulineaux Cedex, France (hereinafter called "Assignor"), is the owner of certain new and useful inventions relating to

### 5- OR 6-SUBSTITUTED BENZIMIDAZOLE DERIVATIVES AS INHIBITORS OF RESPIRATORY SYNCYTIAL VIRUS REPLICATION

for which on the 18<sup>th</sup> day of December 2003, European Patent Application no. 03104806.9 was filed at the European Patent Office.

WHEREAS, TIBOTEC PHARMACEUTICALS LTD., having its place of business at Unit 4, Block 4B, Blanchardstown Corporate Park, Blanchardstown, 15 Dublin, Ireland (hereinafter called "Assignee") is desirous of acquiring Assignors' entire right, title and interest therein, including the right to claim priority thereof,

NOW, THEREFORE, BE IT KNOWN, that in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby assigns and transfers, for all countries in the world, to said Assignee its entire right, title and interest, including the right to claim priority, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, that may be granted for said inventions, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

IN TESTIMONY WHEREOF, Assignor have hereunto set their hands and seals this  
 1<sup>st</sup> day of , 2004.

For Janssen-Cilag  
**JANSSEN - CILAG**  
 S.A. au Capital de 2 956 860 Euros  
 B.P. 615 - Campus de Maigremont  
 F-27106 VAL DE REUIL CEDEX  
 Tél. (33) 02 32 61 72 00  
 Fax (33) 02 32 61 72 94

.....  
 Jean Louis Picquot

### General Assignment

WHEREAS, Janssen Pharmaceutica N.V. , having its place of business at Turnhoutseweg 30, B-2340 Beerse, Belgium (hereinafter called "Assignor"), is the owner of certain new and useful inventions relating to

#### 5- OR 6-SUBSTITUTED BENZIMIDAZOLE DERIVATIVES AS INHIBITORS OF RESPIRATORY SYNCYTIAL VIRUS REPLICATION

for which on the 18<sup>th</sup> day of December 2003, European Patent Application no. 03104806.9 was filed at the European Patent Office.

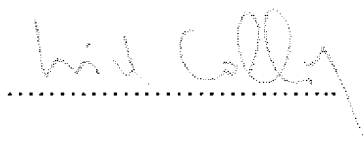
WHEREAS, TIBOTEC PHARMACEUTICALS LTD., having its place of business at Unit 4, Block 4B, Blanchardstown Corporate Park, Blanchardstown, 15 Dublin, Ireland (hereinafter called "Assignee") is desirous of acquiring Assignors' entire right, title and interest therein, including the right to claim priority thereof,

NOW, THEREFORE, BE IT KNOWN, that in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby assigns and transfers, for all countries in the world, to said Assignee its entire right, title and interest, including the right to claim priority, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, that may be granted for said inventions, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

IN TESTIMONY WHEREOF, Assignor have hereunto set their hands and seals this

14<sup>th</sup> day of May, 2004.

For Janssen Pharmaceutica N.V.



Dirk COLLIER

